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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/401,632	09/22/1999	RANDALL L. SCHLESINGER	1999P82176US	4918
75	90 08/13/2003			
Siemens Corporation Intellectual Property Department 186 Wood Avenue South			EXAMINER	
			SERKE, CATHERINE	
Iselin, NJ 0883	08830		ART UNIT	PAPER NUMBER
			3763	h 6
			DATE MAILED: 08/13/2003	. 23

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/401,632	SCHLESINGER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Catherine Serke	3763				
The MAILING DATE of this communi Period for Reply	cation appears on the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNITY. - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this community. - If the period for reply specified above is less than thirty (30). - If NO period for reply is specified above, the maximum states are period for reply within the set or extended period for reply: - Any reply received by the Office later than three months at earned patent term adjustment. See 37 CFR 1.704(b). Status	CATION. of 37 CFR 1.136(a). In no event, however, may unication. or days, a reply within the statutory minimum of tutory period will apply and will expire SIX (6) N will, by statute, cause the application to become	y a reply be timely filed thirty (30) days will be considered timely. MONTHS from the mailing date of this communication. e ABANDONED (35 U.S.C. § 133).				
1)⊠ Responsive to communication(s) fil	ed on <u>14 May 2003</u> .					
	2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		. '				
4) Claim(s) <u>1-9,15-17,19-26,28-36,44</u>	and 48 is/are pending in the appli	cation.				
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-9 and 24-36</u> is/are allowed.						
6)⊠ Claim(s) <u>15-17,19-22,44 and 48</u> is/are rejected.						
7) Claim(s) 23 is/are objected to.						
8) Claim(s) are subject to restrict Application Papers	tion and/or election requirement.					
9) The specification is objected to by the	Examiner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
* See the attached detailed Office actio	•	not received.				
14) Acknowledgment is made of a claim for	or domestic priority under 35 U.S	.C. § 119(e) (to a provisional application).				
a) The translation of the foreign lar						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (P3) Information Disclosure Statement(s) (PTO-1449) P	TO-948) 5) Notice	iew Summary (PTO-413) Paper No(s) e of Informal Patent Application (PTO-152)				
U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)	Office Action Summary	Part of Paper No. 23				

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Art Unit: 3763

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 15-17,19, 22 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by Gruner (US Pat# 5,634,466).

Gruner discloses a medical diagnostic ultrasound catheter including a shaft (see fig 1), an ultrasound transducer (30), a lens (106), and a dielectric solid film (114). See figures 7a-7b. The film is positioned between the window and the ultrasound transducer. The film comprises a thin tape-like material of Mylar sheet. As shown in figure 7b, the film 114 is adjacent an emitting surface of the transducer and wraps around a portion of the circumference and at least one end of the transducer.

Claims 15-17,19-20 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Dunham (US Pat# 5,762,067).

Dunham discloses an ultrasound endoscopic probe that includes a shaft (see fig 1), an ultrasound transducer (130), a lens (160), and a dielectric solid film (164). See figure 10. Mylar membrane 164 is 0.1 mils thick. As shown in figure 10, the film 114 is adjacent an emitting surface of the transducer.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

Claims 15-17,19, 22 and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Hossack et al (US Pat# 5,971,925).

Hossack discloses an ultrasound transducer (42), a lens (48), and a dielectric solid film

(18). See figure 5. The film is positioned between the lens and the ultrasound transducer. The

film comprises a thin tape-like material of Mylar sheet. As shown in figure 10, the film 18 is

adjacent an emitting surface of the transducer.

Hossack meets the claim limitations as described above but fails to include a shaft.

However, both Gruner and Dunham (above) teach medical device shafts containing ultrasound

transducers.

At the time of the invention, it would have been obvious place the entirety of the

transducer complex of Hossack into a shaft as taught by Dunham or Gruner. All three devices

are analogous in the art and therefore a combination is proper. Additionally, the motivation for

the incorporation would have been in order to enable the method and function of the device as

disclosed to image structures within the body (see summary: Hossack).

Allowable Subject Matter

Claims 1-9 and 24-36 are allowed.

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Claim 23 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and

any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Catherine Serke whose telephone number is 703-308-4846. The

examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Brian Casler can be reached on 703-308-3552. The fax phone numbers for the

organization where this application or proceeding is assigned are 703-872-9302 for regular

communications and 703-872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-308-2192.

Catherine Serke August 9, 2003

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 3700